

1. The APG Science and Technology Board convened at 2:00 p.m. on December 19, 2006.

2. Attendees at the meeting were:

Mr. Brian Simmons	US Army Developmental Test Command (DTC)
Mr. Todd Rosenberger	US Army Research Laboratory (ARL)
Mr. Michael Cushing	US Army Materiel Systems Analysis Activity (AMSAA)
Mr. Dhiraj Parekh	US Army Edgewood Chemical Biological Center (ECBC)
Mr. John O'Brien	US Army Research Development and Engineering Command RDECOM Small Business Office
Mr. Richard Decker	RDECOM
Mr. Jeff Warwick	RDECOM
Ms. Vonnie Hughey	US Army Aberdeen Test Center (ATC)
Ms. Judi Wettig	US Army Garrison, Aberdeen Proving Ground (USAGAPG)
Ms. Katie Hall	USAGAPG
Mr. Wallace Ciepiela	ARL
Mr. Donald Matts Jr.	RDECOM
Ms. Teri Morris	Harford Community College (HCC)
Dr. Steve Pannill	Cecil Community College (CCC)
Dr. Joy McGuirl-Hadley	CCC
Ms. Jane Gervasoni	US Army Center for Health Promotion and Preventive Medicine CHPPM)
Mr. Chris Cunningham	20th Support Command
Ms. Laura Haug	DTC
Ms. Renee Winsky	MD Technology Development Corp. (TEDCO)
Mr. David Minges	TEDCO
Mr. Roy Albert	Technology Resources Group (TRsG)
Mr. Stephen Clark	DTC

3. Mr. Simmons opened the meeting followed by attendee introductions.

4. Ms. Morris provided a Higher Education subgroup update. HCC will address future needs via a strategic planning group. The group has met twice seeking to develop a mission statement and strategic plan. HCC plans to invite area college presidents to travel to Ft. Monmouth to begin discussing higher educational needs for the workforce arriving at APG under BRAC.

5. Ms. Wettig provided a BRAC update from the GAPG perspective. GAPG is addressing a comprehensive plan beyond simple construction; the Garrison must address environmental, financial, technology integration, and, especially, information technology concerns. Specific technology upgrades will be required to support C4ISR - antenna technologies, spectrum utilization and separation, data acquisition, and telemetry issues. All must fit within the grid to assure continuation of missions. Additional issues include widening roads, signage, and electrical utilities. Most new construction will be in the 5400 block of the Aberdeen Area, with the majority of moves occurring in the third quarter of FY11. None of these are considered administrative builds since construction must address an environment. This means all supporting infrastructure, often unique, must be considered. GAPG has found it difficult to publish a comprehensive plan as planning is still in flux. The BRAC team at GAPG is working outreach with an assist by outside groups. Briefing charts used today will be provided to Mr. Clark.

6. Mr. Decker provided a briefing on the rapid prototyping/rapid fielding initiatives underway at ECBC. His organization seeks partnerships with industry. Mr. Decker's briefing discussed design optimization, finite element

analysis, computational fluid dynamics, electronic circuitry, and optical design software. Further capabilities include photorealistic rendering and conceptual modeling and animation. The ability exists to conduct virtual concept revisions and virtual training animations. Classic manufacturing processes continue to exist, however use of modern materials enables faster, more accurate parts manufacture.

7. Mr. Minges provided a decision briefing addressing the June 2007 APG/TEDCO Technology Showcase. C4ISR was determined to provide the best ROI for the workshop due to the planned move of Ft. Monmouth's capabilities to APG. Location for the event is tentatively scheduled at the Edgewood Area of APG in the RDECOM Conference Center. APG needs to highlight the transformation of APG based upon the influx of new technologies. The demonstration of APG's flexibility to quickly respond to changing conditions in the battle space tells a powerful story. The Showcase planning group needs to focus on C4ISR as the umbrella, with other technologies, such as rapid product development, falling under the umbrella. Army envisioned APG as the C4ISR technology center - we need to tell the story of both APG and incoming technologies from Ft. Monmouth. GAPG is planning to conduct an Industry day to inform all on C4ISR. Need to coordinate to determine if APG/TEDCO Showcase and Industry Day events can be merged (both event are built for different audiences). Decision was made by the group that C4ISR would be the umbrella topic, with other technologies, such as rapid prototyping and rapid fielding, as supporting technologies.

8. Dr. Kirkwood and Ms. Clem briefed the Board on the need for mentors to support the Aberdeen High School Science and Math Academy student's capstone projects. The initial design of the Academy was a partnership with professional science people in the community. The junior class is commencing their capstone project work, with a requirement for 45 mentors to assist students through the project. Mentor handbooks and POC information were provided. Mentors must have the interest and time to support this effort. The second mentor informational meeting will be conducted on January 17, 2007 at the Science and Math Academy from 4-6 PM.

9. Mr. Albert provided the BDO update. The BDO was promised a new building by GAPG but the offer was rescinded at the last minute. Ms. Hall stated that she will look into the situation.

10. Mr. Minges provided an update on the ATTI project; 12 projects are in various states of completion at this time.

11. Mr. Clark provided an update on the BDO contract. The current contract will be extended until 30 Mar 07 to allow a new contract to be executed.

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BRIAN M. SIMMONS
Chairman APG Science and
Technology Board